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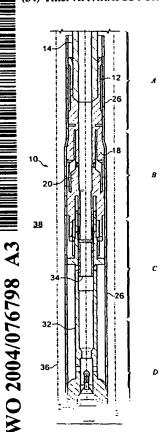
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[Continued on next page]

(54) Title: APPARATUS FOR RADIALLY EXPANDING AND PLASTICALLY DEFORMING A TUBULAR MEMBER



(57) Abstract: An apparatus (10) for radially expanding and plastically defoming a tubular member (26) with a support member (14), tubular support (12), expansion cone (18), support (20), sliding valve (34), tubular (32), one way poppet valve (30), and shoe (28) in a wellbore (36) at a formation (38) of interest.

TR), OAPI (BIF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/06246

	ALEXA . A.				
A. CLASSIFICATION OF SUBJECT MATTER					
IPC(7) : E21B 23/08					
US CL : 166/285, 287, 207, 177.4 According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS SEARCHED					
	cumentation searched (classification system followed	by classification symbols)			
U.S. : 10	66/285, 287, 207, 177.4				
Documentation	on searched other than minimum documentation to the	extent that such documents are included	in the fields searched		
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	UMENTS CONSIDERED TO BE RELEVANT		·		
Category *	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.		
Х	US 6,085,838 A (Vercaemer et al.) 11 July 2000 (1	1.07.2000), whole document	4-8		
Х	US 5,718,288 A (Bertet et al.) 17 February 1998 (1	7.02.1998), whole document	10, 11, 13, 15-17, 21,		
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Further documents are listed in the continuation of Box C. See patent family annex.					
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"O" documen	at referring to an oral disclosure, use, exhibition or other means	"&" document member of the same pater	t family		
P document published prior to the international filing date but later than the					
Date of the actual completion of the international search Date of mailing of the international search report					
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21 October	2004 (21,10.2004)	26 JAN 2005			
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/06246

_	No. II	Observations where certain claims were found unsearchable (Continuation of item 2 of first		
Shee		and courch report has not have sufficient in the		
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:				
1.		Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:		
2.	\boxtimes	Claims Nos.: 24 because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically: Claim 24 is missing		
3.	6.4(a).	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule		
Box	No. III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)		
This	Internati	onal Searching Authority found multiple inventions in this international application, as follows: As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.		
3.		As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:		
4.		No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:		
Rem	ark on l	Protest The additional search fees were accompanied by the applicant's protest.		
		No protest accompanied the payment of additional search fees.		

Form PCT/ISA/210 (continuation of first sheet(2)) (January 2004)